



α	degree	Unstressed leg position
$\alpha 1$	degree	Prestressed rotational angle
$\alpha 2$	degree	Loaded rotational angle
αh	degree	Excursion
αn	degree	Maximum rotational angle
d	mm	Wire diameter
Ddmin	mm	Min. possible mandrel diameter
Ddmax	mm	Max. possible mandrel diameter
De	mm	Outer coil diameter
Di	mm	Inner coil diameter
F1	N	Prestressed spring force
F2	N	Loaded spring force
Lk0	mm	Length of spring body when relaxed
LS	mm	Length of leg
M1	Nmm	Prestressed torque
M2	Nmm	Loaded torque
Mn	Nmm	Maximum torque
n	pc.	Active coils
RH	mm	Distance power flow point from centre
St	mm	Distance between coils (pitch)
Weight	g	Weight of one spring in grammes

1 Coiling direction**2 Form of legs**

tangential, straight, no bends *



*We can also supply torsion springs with any form of leg for an extra charge.

3 Fixing

Recumbent leg Lever leg

Recumbent leg Lever leg

4 Load

- in winding direction
 against winding direction

5 Excursion αh

degr.

6 Stress cyc. end. N **7 Stress cycle frequ. n**

/

8 Application temp.

°C

9 Material

EN 10270-3-1.4310

10 Wire or rod surface

drawn rolled metal-cut

11 Surface treatment**12 Tolerances to DIN 2194**

Grade	Di	Lk0	LSH,LSR	$\alpha, \alpha 1, \alpha 2$	M1,M2	Wire diameter d to DIN 2076
1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

13 Production compensation through

- A spring torque and the associated swing angle α
- A spring torque and the associated swing angle and $\alpha 0$ n, d
- Two spring resistances and the associated swing angle α, n, d
- Two spring resistances and the associated swing angle α, n, Di

Prices

Stupnice množství	Jedn. cena [EUR]
1	5,5300 €
2	3,9000 €
3	3,7100 €
7	2,9000 €
17	1,4300 €
37	1,1000 €
75	0,9400 €
125	0,6511 €
175	0,6135 €
250	0,5760 €
350	0,5306 €
450	0,4927 €

Remarks

Zem pvodu: DE | íslo celného sazebníku: 73202089